

Title (en)
Switched photodynamic therapy apparatus and method

Title (de)
Apparat und Verfahren zur geschalteten photodynamischen Therapie

Title (fr)
Appareil et procédé pour la thérapie photodynamique commutée

Publication
EP 1470837 A2 20041027 (EN)

Application
EP 04252402 A 20040423

Priority
• US 46465603 P 20030423
• CA 2465051 A 20040423

Abstract (en)
A photodynamic therapy apparatus and method in which (1) phototoxic drug is supplied to the arterial supply of a target tissue, (2) deliver of drug activating light to target tissue through probes is controlled by sequential selection of operation of the probes, (3) an automatic radiance probe is used for efficient optical characterization of target tissue and (4) optical dose is monitored by sequential selection of probes as transmitters and receivers. <IMAGE>
A pump injects the phototoxic drug into the arterial supply of the target tissue and a laser (15) irradiates the target tissue with laser beam to activate the drug. Independent claims are also included for the following: (1) apparatus for delivering drug activating light to target tissue; and (2) optical dose monitoring apparatus.

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A61N 5/06

IPC 8 full level
A61K 41/00 (2006.01); **A61N 5/06** (2006.01); **A61N 5/067** (2006.01); **A61B 17/00** (2006.01); **A61B 18/20** (2006.01)

CPC (source: EP US)
A61N 5/0601 (2013.01 - EP US); **A61N 5/062** (2013.01 - EP US); **A61B 2017/00057** (2013.01 - EP US); **A61B 2018/208** (2013.01 - EP US); **A61N 2005/0612** (2013.01 - EP US); **A61N 2005/0629** (2013.01 - EP US)

Cited by
EP2298413A1; EP2431072A1; EP3718600A1; WO2012076631A1; US8582841B2; US11400311B2; WO2008152076A3; WO2017216371A1; WO2010089416A1; WO2008020050A1; WO2020201580A1; JP2012517252A; JP2010500140A; US8986358B2; US11331512B2

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